

Abstract:

A suspension system for a vehicle with a chain driven rear wheel includes: a rear suspension assembly and chain driven transmission arrangement that offers very high levels of anti-brake lift and anti-squat and does so consistently through a large range of rear suspension movement; a front suspension assembly/steering system with a steering axis inclined in the side view at an angle of castor which intersects the ground in front of the center of the contact patch, the front suspension assembly having a high degree of anti-brake dive; the front and rear suspension assemblies being interconnected in such a way as to offer low resistance to anti-phase motion and higher resistance to in-phase motion.